

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

9

Name of the work: Estimate for Improvements of Roads, Drains and Culverts at Lottegollahalli
Devinagar and Surrounding area at Kodigehalli in Ward No. 08.

008-19-000040		P-3522			Est Cost:		6000000.00		
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 143 / Item No. 19.1, PWD SR 2018-19	Cum							
	RCC Drains Cross Road		2	216.00	1.00	1.20	518.40		
	Basic Rate	130.00					518.40	243.88	126427.00
	Area Weightage @ 6%	7.80							
	Total	137.80							
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		243.88							
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (Page No. 13 / Item No. 4.2 PWD SR 2018-19)	Cum							
	RCC Drains Cross Road		2	216.00	1.00	0.15	64.80		
	Basic Rate	5194.00					64.80	5505.64	356765.00
	Area Weightage @ 6%	311.64							
	Total	5505.64							
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggretes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills , ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.13, Item No. 4.6 PWD SR 2018-19	Cum							
	RCC Drains Cross Road Ramp		2	216.00	0.30	0.10	12.96		
	Basic Rate	5422.00					12.96	5747.32	74485.00
	Area Weightage @ 6%	325.32							
	Total	5747.32							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	Providing laying plain / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including centering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm Page No. 271, Item No. 37.59.2, PWD SR 2018-19	Cum							
	Drain Bottom Concrete								
	RCC Drains Cross Road		2	216.00	0.90	0.15	58.32		
	Side Wall								
	RCC Drains Cross Road		4	216.00	0.15	0.75	97.20		
	Basic Rate	6670.00					155.52	7070.20	1099558.00
	Area Weightage @ 6%	400.20							
	Total	7070.20							
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19	Tonne							
	For Roof, Columns @ 60 Kg / Cum		0.06	155.52			9.33	75223.96	701930.00
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	75223.96							
6	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm							
	Covering Slab								
	RCC Drains Cross Road		2	216.00	0.90		388.80		
							388.80	2337.00	908626.00
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete Page No. 27 / Item No. 5.30 PWD SR 2018-19	No							
			2	216.00			960		
				0.45					
	Basic Rate	408.00					960	432.48	415181.00
	Area Weightage @ 6%	24.48							
	Total	432.48							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 124 / Item No. Item No. 15.80, PWD SR 2018-19	Sqm							
	Kerb Stone paintin		2	216.00		0.45	194.40		
	Basic Rate	37.00					194.40	39.22	7624.00
	Area Weightage @ 6%	2.22							
	Total	39.22							
9	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 124 / Item No. Item No. 15.81, PWD SR 2018-19	Sqm							
	Culvert		Qty Vide Item No. 8				194.40	90.10	17515.00
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	90.10							
10	Removing and refixing stone slabs of drains and pointing in CM (1:3) Page No. 27 / Item No. 5.33 PWD SR 2018-19	Sqm							
	BS Slab Drain								
			2	115.00		1.35	310.50		
			2	150.00		1.35	405.00		
							715.50	111.30	79635.00
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	111.30							
11	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete Page No. 27 / Item No. 5.31.1 PWD SR 2018-19	Sqm							
	Damaged Slabs & Missing Slabs 10%		Vide Item No. 2				71.55		
	Basic Rate	700.00					71.55	742.00	53090.00
	Area Weightage @ 6%	42.00							
	Total	742.00							
12	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 27 / Item No. 5.26.2, PWD SR 2018-19	Sqm							
			2x2	115.00		0.40	184.00		
			2x2	149.00		0.40	238.40		
	Basic Rate	924.00					422.40	979.44	413715.00
	Area Weightage @ 6%	55.44							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total		979.44						
13	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
			2	115.00	0.90		207.00		
			2	147.00	0.90		264.60		
							471.60	2337.00	1102129.00
	Sub Total								5356680.00
	GST @ 12%								642802.00
	Miscellaneous and unforeseen charges	LS							518.00
								Total	6000000.00
Rupees Sixty Lakh(s) Only									

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2018-19.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division
BBMP, Bangalore

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For Rs. 60.00 Lakh only
Head of A/c P.3522
CER NO. 244 Date 08-11-2019

ADMINISTRATIVE APPROVAL	
Accorded For Rs.	60.00 Lakh only
Head of A/c.	P3522
Div. Ref. No.	84
Date	30-10-2019
AE	EE(BTP) 30/10